

PLL Synthesized Weather Radio
(120-0243) Features

Faxback Doc. # 18408

Your Radio Shack Weatheradio is designed to receive National Weather Service broadcasts. These broadcasts provide information about weather conditions and forecasts 24 hours a day.

Other features include the following:

One-Touch On/Off Weather Button - gives you instant weather information at the touch of a button.

Seven Channels - give you a choice of frequencies for the best reception.

Telescoping Antenna - extends for the best reception.

PLL Synthesized - gives precise tuning.

You can power the radio from a 9-volt battery or a standard AC outlet.

USING BATTERY POWER

To use battery power, you need a 9-volt battery, such as Radio Shack Cat. No. 23-553 (not supplied).

Follow these steps to install the battery.

1. Remove the battery compartment cover by pressing down on the cover and sliding it in the direction of the arrow.
2. Snap the battery connector over the battery contacts.
3. Place the battery in the battery compartment and replace the cover.

NOTE: Remove the battery if you do not plan to use the radio for a week or more, or if you use AC power. Weak batteries can leak chemicals and damage the radio.

USING AC POWER

To power your radio from a standard AC outlet, you need an AC adapter (not supplied), such as Cat. No. 273-1650.

CAUTION: You must use an adapter that supplies 9 volts and delivers at least 50 milliamps. Its plug must correctly fit the radio's DC 9V jack. Using an adapter that does not meet these specifications could seriously damage the radio or the adapter.

1. Insert the adapter's 3/32-inch plug tip into the radio's DC 9V jack. Be sure the tip is set to negative.
2. Plug the adapter into a standard AC outlet.

Follow these steps to use the radio.

1. Extend the antenna to its full length.
2. Set VOLUME halfway between MIN and MAX.
3. Press WEATHER to turn on the radio. The power indicator lights.

NOTE: If the indicator does not light, replace the battery.

4. Set CHANNEL to the frequency that provides the clearest reception. Then swivel the antenna to the position that provides the best reception.

NOTE: If the signal is intermittent or noisy, try placing the radio near an outside wall or window for improved reception.

5. Adjust VOLUME to a comfortable listening level.

To turn off the radio, press WEATHER.

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Care and Maintenance

Faxback Doc. # 18941

Your Realistic Weatheradio is an example of superior design and craftsmanship. The following suggestions will help you care for the radio so you can enjoy it for years.

Keep the radio dry. If it gets wet, wipe it dry immediately. Some liquids might contain minerals that can corrode the electronic circuits.

Use and store the radio only in normal temperature environments. Temperature extremes can shorten the life of electronic circuits, damage batteries, and distort or melt plastic parts.

Handle the radio gently and carefully. Dropping it can damage circuit boards and can cause the radio to work improperly.

Keep the radio away from dust and dirt, which can cause premature wear of parts.

Wipe the radio with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals. Cleaning solvents, or strong detergents to clean the radio.

Use only a fresh battery of the required size and type. Always remove an old or weak battery. It can leak chemicals that destroy electronic circuits.

Modifying or tampering with the radio's internal components can cause a malfunction and might invalidate the radio's warranty and void your FCC authorization to operate the radio. If your radio is not operating as it should, take it to your local Radio Shack store for assistance.

Standard Test Conditions

Frequency Channels 1:	162.400 MHz
2:	162.425 MHz
3:	162.450 MHz
4:	162.475 MHz
5:	162.500 MHz
6:	162.525 MHz
7:	162.550 MHz

Output Level	50 mW
Speaker Impedance	32 ohms
Audio Modulation	100Hz, +/- 3.3 kHz FM
Receiver Sensitivity at 12 dB sinad	< 1.2 MicroV
De-Emphasis	-6 +/- 3dB
Total Harmonic Distortion	< 7%
"A" Weighted Signal to Noise	> 40dB
Maximum Power Output at 10% THD	> .200mW
Maximum Operating Voltage	< .6.0V
DC Current Drain	< .60mA
Intermediate Frequency	455 kHz
Sensitivity (12 dB SINAD)	0.5 microV Typical
Signal-to-Noise Ratio	50 dB Typical
Audio Output	290 mW
Antenna	Telescoping Rod
Power Requirements	9-volt Battery, AC Adapter (Cat. No. 273-1662)
Dimensions	1 1/8 x 5 11/16 x 3 1/2 Inches (HxWxD)
Weight	5 oz.

NOTE: Limit specifications represent worse-case conditions.

(br-10/23/95)
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